

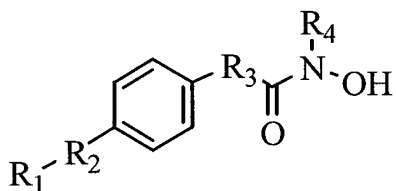
## AMENDMENTS TO THE CLAIMS

**This listing of claims will replace all prior versions and listings of claims in the application:**

### **LISTING OF CLAIMS:**

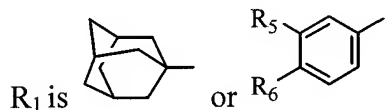
1. (Currently amended) A hydroxamic acid derivative represented by the following formula ( I ):

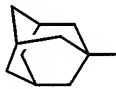
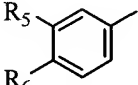
[Formula 1]



(I)

wherein,

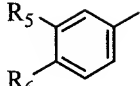


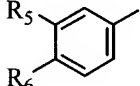
$R_1$  is  or  $R_6$  , wherein,  $R_5$  and  $R_6$  each independently represents a hydrogen atom, an alkyl group having from 1 to 10 carbon atoms or a cyclic alkyl group having from 3 to 6 carbon atoms;

$R_2$  is CONH, NHCO, CONR<sub>7</sub> or NR<sub>7</sub>CO, herein, R<sub>7</sub> represents an alkyl group having from 1 to 10 carbon atoms;

$R_3$  is  $-(CH)_n-(CH_2)_n-$ , herein,  $n = 0$  or  $1$ ; and

$R_4$  is a hydrogen atom or an alkyl group having from 1 to 10 carbon atoms;

on the proviso that compounds in which  $R_1$  is  wherein  $R_5$  and  $R_6$  each are H,

$R_2$  is CONH, and  $n=0$ , and compounds in which  $R_1$  is  wherein  $R_5$  is H and  $R_6$  is  $CH_3$ ,  
 $R_2$  is CONH and  $n=0$  or 1 are excluded.

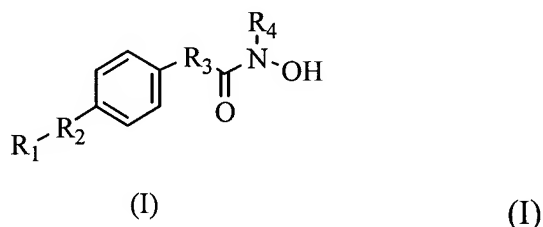
2. (Currently amended) The hydroxamic acid derivative according to Claim 1, which is selected from the group consisting of

N-[4-(N-hydroxycarbamoyl)phenyl] benzamide,  
N-[4-(N-hydroxycarbamoyl)phenyl][4-methylphenyl] carboxyamide,  
N-[4-(N-hydroxycarbamoyl)phenyl][3-methylphenyl] carboxyamide,  
N-[4-(N-hydroxycarbamoyl)phenyl][4-ethylphenyl] carboxyamide,  
N-[4-(N-hydroxycarbamoyl)phenyl][4-propylphenyl] carboxyamide,  
N-[4-(N-hydroxycarbamoyl)phenyl][4-isopropylphenyl] carboxyamide,  
N-[4-(N-hydroxycarbamoyl)phenyl][4-butylphenyl] carboxyamide,  
N-[4-(N-hydroxycarbamoyl)phenyl][4-*tert*-butylphenyl] carboxyamide,  
N-[4-(N-hydroxycarbamoyl)phenyl][3,4-dimethylphenyl] carboxyamide,  
N-[4-(N-hydroxycarbamoyl)phenyl] adamantyl carboxyamide,  
adamantyl-N-[4-(N-hydroxy-N-methylcarbamoyl)phenyl] carboxyamide,  
N-[4-(N-hydroxycarbamoyl)phenyl]-N-methyl-benzamide,  
N-[4-(N-hydroxycarbamoyl)phenyl]-N-methyl-[4-methylphenyl] carboxyamide,

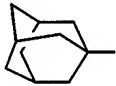
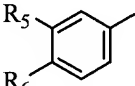
N-[4-(N-hydroxycarbamoyl)phenyl]-N-methyl-[3-methylphenyl] carboxyamide,  
N-[4-(N-hydroxycarbamoyl)phenyl]-N-methyl-[4-ethylphenyl] carboxyamide,  
N-[4-(N-hydroxycarbamoyl)phenyl]-N-methyl-[4-propylphenyl] carboxyamide,  
N-[4-(N-hydroxycarbamoyl)phenyl]-N-methyl-[4-isopropylphenyl] carboxyamide,  
N-[4-(N-hydroxycarbamoyl)phenyl]-N-methyl-[4-butylphenyl] carboxyamide,  
N-[4-(N-hydroxycarbamoyl)phenyl]-N-methyl-[4-*tert*-butylphenyl] carboxyamide,  
N-[4-(N-hydroxycarbamoyl)phenyl]-N-methyl-[3,4-dimethylphenyl] carboxyamide,  
N-[4-(N-hydroxycarbamoyl)phenyl] adamantyl-N-methylcarboxyamide,  
adamantyl-N-[4-(N-hydroxy-N-methylcarbamoyl)phenyl]-N-methylcarboxyamide,  
N-[4-(N-hydroxycarbamoymethyl)phenyl] benzamide,  
~~N-[4-(N-hydroxycarbamoymethyl)phenyl][4-methylphenyl]carboxyamide,~~  
N-[4-(N-hydroxycarbamoymethyl)phenyl][3-methylphenyl] carboxyamide,  
N-[4-(N-hydroxycarbamoymethyl)phenyl][4-ethylphenyl] carboxyamide,  
N-[4-(N-hydroxycarbamoymethyl)phenyl][4-propylphenyl] carboxyamide,  
N-[4-(N-hydroxycarbamoymethyl)phenyl][4-isopropylphenyl] carboxyamide,  
N-[4-(N-hydroxycarbamoymethyl)phenyl][4-butylphenyl] carboxyamide,  
N-[4-(N-hydroxycarbamoymethyl)phenyl][4-*tert*-butylphenyl] carboxyamide,  
N-[4-(N-hydroxycarbamoymethyl)phenyl][3,4-dimethylphenyl] carboxyamide,  
N-[4-(N-hydroxycarbamoymethyl)phenyl] adamantyl carboxyamide,  
2-[4-(adamantylcarbonylamino)phenyl]-N-hydroxy-N-methylacetamide,  
~~[4-(N-hydroxycarbamoyl)phenyl]-N-benzamide,~~

[4-(N-hydroxycarbamoyl)phenyl]-N-[4-methylphenyl] carboxyamide,  
[4-(N-hydroxycarbamoyl)phenyl]-N-[3-methylphenyl] carboxyamide,  
[4-(N-hydroxycarbamoyl)phenyl]-N-[4-ethylphenyl] carboxyamide,  
[4-(N-hydroxycarbamoyl)phenyl]-N-[4-propylphenyl] carboxyamide,  
[4-(N-hydroxycarbamoyl)phenyl]-N-[4-isopropylphenyl] carboxyamide,  
[4-(N-hydroxycarbamoyl)phenyl]-N-[4-butylphenyl] carboxyamide,  
[4-(N-hydroxycarbamoyl)phenyl]-N-[4-*tert*-butylphenyl] carboxyamide,  
[4-(N-hydroxycarbamoyl)phenyl]-N-[3,4-dimethylphenyl] carboxyamide,  
[4-(N-hydroxycarbamoyl)phenyl]-N-adamantyl carboxyamide,  
N-adamantyl [4-(N-hydroxy-N-methylcarbamoyl)phenyl] carboxyamide,  
[4-(N-hydroxycarbamoyl)phenyl]-N-methyl-N-benzamide,  
[4-(N-hydroxycarbamoyl)phenyl]-N-methyl-N-[4-methylphenyl] carboxyamide,  
[4-(N-hydroxycarbamoyl)phenyl]-N-methyl-N-[3-methylphenyl] carboxyamide,  
[4-(N-hydroxycarbamoyl)phenyl]-N-methyl-N-[4-ethylphenyl] carboxyamide,  
[4-(N-hydroxycarbamoyl)phenyl]-N-methyl-N-[4-propylphenyl] carboxyamide,  
[4-(N-hydroxycarbamoyl)phenyl]-N-methyl-N-[4-isopropylphenyl] carboxyamide,  
[4-(N-hydroxycarbamoyl)phenyl]-N-methyl-N-[4-butylphenyl] carboxyamide,  
[4-(N-hydroxycarbamoyl)phenyl]-N-methyl-N-[4-*tert*-butylphenyl] carboxyamide,  
[4-(N-hydroxycarbamoyl)phenyl]-N-methyl-N-[3,4-dimethylphenyl] carboxyamide,  
[4-(N-hydroxycarbamoyl)phenyl]-N-adamantyl-N-methylcarboxyamide, and  
N-adamantyl [4-(N-hydroxy-N-methylcarbamoyl)phenyl]-N-methylcarboxyamide.

3. (Currently amended) A method for preparing ~~the~~ a hydroxamic acid-~~derivative~~  
 according to ~~Claim 1~~ represented by the following formula ( I ):



wherein,

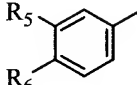
R<sub>1</sub> is  or , wherein, R<sub>5</sub> and R<sub>6</sub> each independently represents a

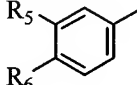
hydrogen atom, an alkyl group having from 1 to 10 carbon atoms or a cyclic alkyl group having  
from 3 to 6 carbon atoms;

R<sub>2</sub> is CONH, NHCO, CONR<sub>7</sub> or NR<sub>7</sub>CO, herein, R<sub>7</sub> represents an alkyl group having  
from 1 to 10 carbon atoms;

R<sub>3</sub> is -(CH<sub>2</sub>)<sub>n</sub>-, herein, n = 0 or 1; and

R<sub>4</sub> is a hydrogen atom or an alkyl group having from 1 to 10 carbon atoms;

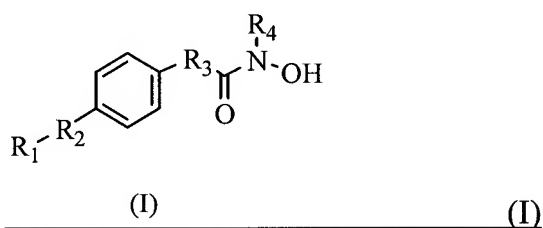
on the proviso that compounds in which R<sub>1</sub> is  wherein R<sub>5</sub> and R<sub>6</sub> each are H,

R<sub>2</sub> is CONH, and n=0, and compounds in which R<sub>1</sub> is  wherein R<sub>5</sub> is H and R<sub>6</sub> is CH<sub>3</sub>,

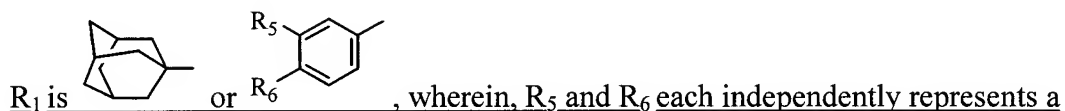
R<sub>2</sub> is CONH and n=0 or 1 are excluded, which comprises the steps of:

- (a) ~~Reacting reacting~~ benzoic acid or adamantanecarboxylic acid with methyl 4-aminobenzoate or 4-aminophenylacetic acid methylester, to produce a benzamide compound;
- (b) ~~Substituting an alkyl group for amide bond of benzamide formed in said~~  
stepoptionally, substituting an amide bond of the benzamide formed in step (a) with an alkyl group,  
to produce an alkyl-substituted benzamide compound;
- (c) ~~Hydrolyzing hydrolyzing~~ a methylester of the benzamide formed in step (a) or the  
 alkyl-substituted benzamide compounds formed in ~~said steps~~ step (b), to produce an acid; and
- (d) ~~Reacting reacting~~ said acid with hydroxylamine hydrochloride or N-methyl hydroxylamine hydrochloride, to produce a hydroxamic acid derivative.

4. (Currently amended) A method for preparing ~~the a~~ hydroxamic acid derivative  
represented by the following formula ( I ):



wherein,

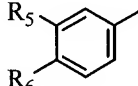


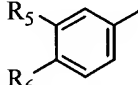
hydrogen atom, an alkyl group having from 1 to 10 carbon atoms or a cyclic alkyl group having from 3 to 6 carbon atoms;

R<sub>2</sub> is CONH, NHCO, CONR<sub>7</sub> or NR<sub>7</sub>CO, herein, R<sub>7</sub> represents an alkyl group having from 1 to 10 carbon atoms;

R<sub>3</sub> is -(CH<sub>2</sub>)<sub>n</sub>-, herein, n = 0 or 1; and

R<sub>4</sub> is a hydrogen atom or an alkyl group having from 1 to 10 carbon atoms;

on the proviso that compounds in which R<sub>1</sub> is  wherein R<sub>5</sub> and R<sub>6</sub> each are H,

R<sub>2</sub> is CONH, and n=0, and compounds in which R<sub>1</sub> is  wherein R<sub>5</sub> is H and R<sub>6</sub> is CH<sub>3</sub>,

R<sub>2</sub> is CONH and n=0 or 1 are excluded according to Claim 1, which comprises the steps of :

- (a) ~~Reacting-reacting~~ aniline or adamantamine with monomethylterephthalate, to produce a benzamide compound;
- (b) ~~Substituting an alkyl group for amide bond of benzamide formed in said~~  
stepoptionally, substituting an amide bond of the benzamide formed in step (a) with an alkyl group,  
to produce an alkyl-substituted benzamide compound
- (c) ~~Hydrolyzing-hydrolyzing~~ a methylester of the benzamide formed in step (a) or the  
alkyl-substituted benzamide compounds formed in ~~said steps~~step (b), to produce an acid; and
- (d) ~~Reacting-reacting~~ said acid with hydroxylamine hydrochloride or N-methyl  
hydroxylamine hydrochloride, to produce a hydroxamic acid derivative.

5. (Original) A skin-care external composition for preventing skin aging, containing the hydroxamic acid derivative according to Claim 1 as an active ingredient.

Amendment under 37 C.F.R. 1.111  
USSN 10/595,124

6. (Original) A collagenase expression-inhibiting agent containing the hydroxamic acid derivative according to Claim 1 as an active ingredient.

7. (Original) An elastase expression-inhibiting agent containing the hydroxamic acid derivative according to Claim 1 as an active ingredient.